

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-39. (Canceled)

40. (New) A method of indicating the current setting of an implanted sub-dermal adjustable magnetic valve that indicates a specific orientation of the magnetic valve, the method comprising the steps of:

positioning a locator tool defining a valve coupling surface and an adjustment tool accepting aperture over the sub-dermal valve;

orienting the locator tool over the sub-dermal valve;

placing a compass within the adjustment tool accepting aperture;

determining a reading of the valve based on a reading from the compass;

placing a magnetic adjustment tool within the adjustment tool accepting aperture;

changing a setting of the adjustable magnetic valve by rotating the adjustment tool within the adjustment tool accepting aperture.

41. (New) A locator tool for determining the orientation of an implanted medical device having a magnetic adjustable element, the medical device having an engageable subdermal surface that indicates a specific orientation of the implanted medical device, the locator tool comprising:

a magnetic indicator magnetically coupled to the adjustable magnetic element to display an orientation of the adjustable medical element; and

a support configured to removably and selectively receive the magnetic indicator, the support including a deck having an outer edge defining a locator opening, and corresponding in shape to the engageable subdermal surface, wherein the locator opening is configured to align with the engageable subdermal surface to indicate alignment between the locator opening and engageable subdermal surface.

42. (New) The locator tool of Claim 41, further comprising a magnetic adjustment tool configured to be positioned within the locator opening.

43. (New) A system for indicating a current setting of an implanted adjustable valve with an engageable surface that indicates a specific orientation of the valve and a magnet indicating a current setting of the valve, the system comprising:

a locator tool having an indicator of an orientation of the valve, the indicator having a bearing surface configured to engage with the engageable surface of the valve to indicate a specific orientation of the valve, the indicator including a deck having a central opening extending entirely through the deck, an edge of the locator central opening corresponding in shape to the bearing surface, wherein the locator

central opening is capable of overlaying and aligning with the engageable surface so that the space between the locator central opening and the engageable surface is minimized to indicate alignment between the locator central opening and the engageable surface;

an indicator tool comprising:

a compass configured to couple with the magnet in the valve to indicate a current setting of the valve.

44. (New) A method of changing the current setting of an implanted adjustable valve having an engageable subdermal surface and a magnet capable of changing a current setting of the valve by physical movement of the magnet, the method comprising the steps of:

providing a locator tool having a bearing surface configured to interface with the engageable subdermal surface, an indicator of a first orientation of a valve and a deck having an outer edge and defining a locator central opening, wherein the locator central opening is configured to overlay the engageable subdermal surface to indicate alignment between the locator tool and the engageable subdermal surface;

providing an adjustment tool having a magnetic coupling configured to be positioned at least partially within the locator central opening and to magnetically engage with the magnet in the valve to move the magnet to change the current setting of the valve;

setting the locator tool over a portion of the valve so that the locator tool is mechanically coupled to the engageable subdermal surface so that the space between the bearing surface and the engageable surface is minimized;

coupling the adjustment tool to the locator tool to align the adjustment tool within the locator tool; and

moving the magnet with respect to the locator tool to change the current setting of the valve.

45. (New) The method of Claim 44, further comprising placing a compass within the locator central opening to determine a setting of the implanted adjustable valve.

46. (New) The method of Claim 45, wherein the compass comprises an arrow.

47. (New) The method of Claim 44, wherein the indicator of a first orientation of the implanted adjustable valve is located on the deck.

48. (New) The method of Claim 44, wherein providing a locator tool is providing a substantially cylindrical tube having a compass accepting inner surface.

49. (New) The method of Claim 44, wherein providing a locator tool is providing a locator tool having a substantially planar deck.

50. (New) The method of Claim 44, wherein the adjustment tool includes a cylindrical surface for removably constraining the movement of the adjustment tool.

51. (New) A system for determining and changing the current setting of an implanted adjustable valve comprising:

- a subdermal implanted adjustable valve, the valve having a rotatable magnet configured to adjust fluid flow through the valve, the valve having an engageable subdermal surface;

- a locator tool having an indicator of an orientation of the implanted adjustable valve, the locator tool having a surface configured to couple to the engageable subdermal surface of the valve to indicate a specific orientation of the implanted adjustable valve, the locator tool including a deck having an outer edge and defining a locator central opening, wherein the locator central opening is configured to interface with the engageable subdermal surface; and

- an indicator tool comprising:

- a coupler having a first moveable magnetic member configured to be selectively magnetically coupled with the rotatable magnet to indicate a current setting of the valve;

- an adjustment tool comprising:

- a second moveable magnetic member configured to be positioned within the locator central opening and to couple with the rotatable magnet in the valve to move the rotatable magnet to change the flow of fluid through the valve.

52. (New) The system of Claim 51, wherein the indicator of an orientation of the subdermal adjustable valve is a visual indicator of the orientation of the subdermal adjustable valve.

53. (New) The system of Claim 51, wherein the indicator tool is a compass.

54. (New) The system of Claim 53, wherein a present setting of the subdermal adjustable valve is defined by a difference between a compass arrow location and a location of the indicator.

55. (New) The system Claim 51, wherein the indicator of an orientation of the implanted adjustable valve is located on the deck.

56. (New) The system of Claim 51, wherein the locator tool further includes a substantially cylindrical tube having an inner surface, the outer edge of the deck being coupled to the inner surface of the tube.

57. (New) The system of Claim 51, wherein the deck is substantially planar.

58. (New) A system for changing the current setting of an implanted adjustable valve with an exterior engageable surface that indicates a specific orientation of the valve and a magnet capable of changing a current setting of the valve upon rotation of the magnet, the system comprising:

a locator tool comprising:

a coupler configured to indicate an orientation of the valve, the coupler including a deck defining a locator central opening, the coupler defining an engagement shape complementary in shape to the engageable surface, wherein the engagement shape is configured to overlay the engageable surface to indicate alignment between the locator central opening and the engageable surface;

an indicator having a compass, the indicator tool configured to be selectively positioned within the locator central opening;

an adjustment tool comprising:

a magnetically coupling configured to be selectively coupled within the locator central opening and with the magnet in the valve to move the magnet to change the current setting of the valve.

59. (New) The system of Claim 58, wherein the indicator of an orientation of the implanted adjustable valve is located on the deck.

60. (New) The system of Claim 58, wherein the adjustment tool is configured to be positioned substantially in the locator central opening.

61. (New) The system of Claim 58, wherein the deck is substantially planar.

62. (New) The system tool of Claim 58, wherein the indicator of an orientation of the implanted adjustable valve is a visual indicator of an orientation of the implanted adjustable valve.

63. (New) The system of Claim 58, wherein an indicator of an orientation is an arrow.

64. (New) The system of Claim 58, wherein the indicator of an orientation of the implanted adjustable valve is located on the deck.